

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (currently amended) An image forming apparatus comprising:

a conveyance belt that conveys a recording medium by attracting the recording medium by an electrostatic force generated by positive and negative electric charges applied thereto;

a charger that applies the positive and negative electric charges alternately to said conveyance belt;

a recording head that discharges droplets of a recording liquid toward the recording medium being conveyed by said conveyance belt; and

~~adjusting means for adjusting~~ a control part configured to adjust an amount of electric charges induced on a surface of the recording medium by the positive and negative electric charges applied to said conveyance belt,

wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium, which has been conveyed to a recording position where the droplets of the recording liquid are discharged from said recording head toward the recording medium, in accordance with a resistance value of the recording medium, to cause the electric charges on the surface of the recording medium to neutralize.

2. (currently amended) The image forming apparatus as claimed in claim 1, further comprising:

a surface resistance measurement part configured to detect a surface resistance value of

the recording medium;

wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium in accordance with ~~a result of detection of a~~ the surface resistance of the recording medium detected by said surface resistance measurement part.

3. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium in accordance with a result of detection of a volume resistance of the recording medium.

4. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium in accordance with a result of detection of environment temperature and humidity.

5. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium in accordance with externally given information regarding the resistance value of the recording medium.

6. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium by controlling a charge period length of positive and negative charges

applied by said charger to said conveyance belt.

7. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium by controlling an alternating voltage applied to said charger to apply positive and negative charges to said conveyance belt.

8. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium by controlling a timing of applying electric charges onto said conveyance belt so as to switch existence/nonexistence of charges on the surface of the recording medium.

9. (currently amended) The image forming apparatus as claimed in claim 1, wherein said ~~adjusting means~~ control part adjusts the amount of the electric charges on the surface of the recording medium by controlling at least one of a conveyance speed and a stop time of said conveyance belt so as to change a time period from a time when the charges are applied to said conveyance belt until a time when the charges on said conveyance belt reach the recording position.

Claims 10–38 (canceled).